

09/05/03
16085 U.S. PTO

UTILITY APPLICATION

Attorney Docket No.: NIH202.001C1

First Named Inventor: Xiaowu Pang

Title: SUBGENOMIC REPLICONS OF THE FLAVIVIRUS
DENGUE

Express Mail Label No.: EV 318985462 US

22387 U.S. PTO
10/656721
09/05/03

Direct all correspondence to Customer No.: 20995

Date: September 5,
2003

Page 1 of 2

Mail Stop Patent Application

United States Patent and Trademark Office

PO Box 1450

Alexandria, VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

Inventor(s):

1. Xiaowu Pang
2. Andrew I. Dayton
3. Mingjie Zhang

APPLICATION ELEMENTS:

- (X) Specification in 47 pages.
- (X) Drawings in 9 sheets.
- (X) Sequence Submission Statement in 1 page, and
 - (X) Sequence Listing on paper in 7 pages
- (X) Sequence Listing in CRF

CONTINUITY INFORMATION:

Application	Relationship	Parent App. No.	Filing Date	Status
This Application	Continuation	PCT/US02/06962	2/21/02	Pending
PCT/US02/06962	Benefit of Priority	60/274,684	3/9/01	Abandoned

- (X) Incorporation by Reference. The entire disclosure of the prior application(s) is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

OTHER APPLICATION PARTS:

- (X) Return prepaid postcard.

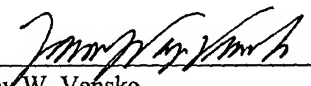
UTILITY APPLICATION	Attorney Docket No.: NIH202.001C1
	First Named Inventor: Xiaowu Pang
	Title: SUBGENOMIC REPLICONS OF THE FLAVIVIRUS DENGUE
	Express Mail Label No.: EV 318985462 US
Direct all correspondence to Customer No.: 20995	
Date: September 5, 2003 Page 2 of 2	

FILING FEES:

FEE CALCULATION				
FEE TYPE		FEE CODE	CALCULATION	TOTAL
Basic Utility		1001 (\$750)		\$750
Non-English Spec.		1053 (\$130)		\$0
Recordation Fee		8021 (\$40)	0 x 40 =	\$0
Excess Claims > 20	24 - 20 = 4	1202 (\$18)	4 x 18 =	\$72
Independent > 3	24 - 3 = 21	1201 (\$84)	21 x 84 =	\$1764
Multiple Claim		1203 (\$280)		\$0
			TOTAL FEE DUE	\$2586

(X) A check in the amount of **\$2586** to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.



 Nancy W. Veňsko
 Registration No. 36,298
 Attorney of Record
 Customer No. 20,995
 (805) 547-5580

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : NIH202.001C1

Applicant(s) : Pang et al.

For : SUBGENOMIC REPLICONS OF THE
FLAVIVIRUS DENGUE

Attorney : Nancy W. Vensko

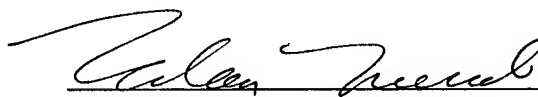
"Express Mail"
Mailing Label No. : EV 318985462 US

Date of Deposit : September 5, 2003

I hereby certify that the accompanying

Transmittal letter; specification in 47 pages; 9 sheets of drawings; Sequence
Submission Statement; Sequence Listing in 7 pages; Sequence Listing diskette;
Check for Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Nelson Merida

O:\DOCS\MXG\MXG-3519.DOC:vb
090203